

Silico® MF2020-3000 Silicone Fluid

SAFETY DATA SHEET (SDS)

SECTION 1: Identification of the Substance and the Company

Product Identifier

Product Name: Silico® MF2020-3000 Silicone Fluid

Chemical Name: Polydimethylsiloxane (PDMS)

CAS No.: 9006-65-9 / 63148-62-9 / 9016-00-6

Product Type: High-viscosity silicone fluid / industrial silicone oil

Recommended Uses

Industrial silicone fluid for lubrication, damping, release agent, electrical insulation, and surface treatment applications.

Uses Advised Against

Not intended for food, pharmaceutical, or medical applications unless specifically certified.

Supplier Information:

Company: Silico® Silicone / Daiyue Industrial Area, Taian, Shandong, China

Email: info@silicorex.com

Emergency Contact: +86-0538-5071566

Website: www.silicorex.com

SECTION 2: Hazard Identification

Classification According to GHS / CLP / OSHA

This product is not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP) or GHS criteria.

Label Elements

- Signal Word: None
- Hazard Pictograms: None
- Hazard Statements: Not applicable

Other Hazards

No additional hazards identified under normal industrial handling and use.

SECTION 3: Composition / Information on Ingredients

Substance

Component	Polydimethylsiloxane
CAS No.	63148-62-9
Concentration	≥ 99%

This Silico silicone fluid contains no hazardous components above regulatory disclosure limits.

SECTION 4: First Aid Measures

General Information

If adverse symptoms occur, seek medical attention and provide this SDS.

Inhalation

Move person to fresh air. Seek medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact

Rinse cautiously with clean water for several minutes. Seek medical attention if irritation continues.

Ingestion

Rinse mouth. Do not induce vomiting. Obtain medical advice if discomfort occurs.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media

Water mist, foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable Extinguishing Media

High-pressure water jet.

Hazardous Combustion Products

Carbon oxides and silicon oxides.

Protective Equipment for Firefighters

Self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental Release Measures

Personal Precautions

Avoid contact with skin and eyes. Wear appropriate protective equipment.

Environmental Precautions

Prevent product from entering drains, surface water, or soil.

Methods for Cleaning Up

Absorb with inert material (sand, earth). Collect and dispose of according to local regulations.

SECTION 7: Handling and Storage

Handling Precautions

Avoid generating aerosols or mist. Follow good industrial hygiene practices.

Storage Conditions

Store in tightly closed containers in a cool, dry, and well-ventilated area. Protect from excessive heat.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Ensure adequate ventilation, especially where mist may be generated.

Personal Protective Equipment (PPE)

- Respiratory Protection: Not normally required; use suitable respirator if aerosol forms
- Eye Protection: Safety goggles
- Hand Protection: Chemical-resistant gloves

Hygiene Measures

Wash hands after handling. Do not eat, drink, or smoke in work areas.

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Clear, colorless liquid
Odor	Odorless
pH	Neutral (~7)
Melting Point	< -50 °C
Boiling Point	> 200 °C
Flash Point	> 130 °C
Density @25 °C	~0.97 g/cm ³
Viscosity @25 °C	~3000 cSt
Solubility	Insoluble in water

Typical properties of high-viscosity PDMS silicone oil.

SECTION 10: Stability and Reactivity

Chemical Stability

Stable under recommended handling and storage conditions.

Conditions to Avoid

Excessive heat and open flame.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides and silicon oxides under combustion conditions.

SECTION 11: Toxicological Information

- Acute Toxicity: Not classified
- Skin Irritation: Not expected
- Eye Irritation: Not expected
- Sensitization: Not expected

Based on available data, this industrial silicone fluid presents low health risk when used as intended.

SECTION 12: Ecological Information

- Aquatic Toxicity: Not expected to be harmful
- Persistence / Degradability: Not readily biodegradable
- Bioaccumulation Potential: Low
- Mobility in Soil: Low; insoluble in water

SECTION 13: Disposal Considerations

Dispose of product and containers in accordance with local, regional, and national regulations. Avoid environmental release.

SECTION 14: Transport Information

Not regulated as dangerous goods.

UN Number: Not applicable

Transport Hazard Class: None

Packing Group: None

SECTION 15: Regulatory Information

Complies with applicable chemical safety regulations including GHS, CLP, and OSHA HCS requirements. No additional labeling required.

SECTION 16: Other Information

The information provided in this SDS is based on current knowledge and is believed to be accurate. Users must determine suitability for their specific applications.